FIDM L,b

REPORT NO. 77-3-38

FOREST INSECT AND DISEASE MANAGEMENT UNIT
U.S. FOREST SERVICE
DORAVILLE, GEORGIA

LAND OWNERSHIP OR SURVEY AREA: Oconee National Forest, Oconee Ranger District

STATE: Georgia

AREA WITHIN SURVEY BOUNDARY: 300,000 acres

DATE SURVEYED: 8/30/77

PERCENT COVERAGE: 50%

AIRCRAFT: Cessna 182

CREW: C. W. Dull
W. A. Carothers
P. A. Mistretta

SURVEY OBJECTIVES: To detect forest insect and disease activity for the Oconee National Forest. Special emphasis was placed on delineating area of pine mortality suspected to be caused by southern pine beetle.

SURVEY RESULTS

A total of 86 spots containing an estimated 600 red and fading pine trees was detected within and adjacent to the National Forest boundary, including the Piedmont National Wildlife Refuge and Hitchiti Experimental Forest. Thirty-six spots containing an estimated 235 red and fading pine trees were observed on National Forest land. Spot size on National Forest lands ranged from 1 to 50 trees with an average of 6.5 trees per spot. In addition, eight areas containing many small spots of red and fading pines were observed on the survey area.

Ground checks conducted by the Aerial Survey Team on September 1, 1977 revealed active infestations of black turpentine beetles in these scattered pines. All life stages of the black turpentine beetle were found. Spots of dead and dying trees checked on the ground contained active infestations of *Ips* spp., black turpentine beetles as well as southern pine beetles.

All spots detected during the aerial survey and the estimated number of red and fading pine trees per spot are indicated on the attached maps.

CONCLUSIONS

Drought conditions in the area of the Oconee National Forest during the summer months probably predisposed the pine type to attack by the black turpentine beetle, *Ips* spp., as well as the southern pine beetle. It is recommended that District personnel maintain constant field surveillance to detect any increase in activity of these bark beetles.

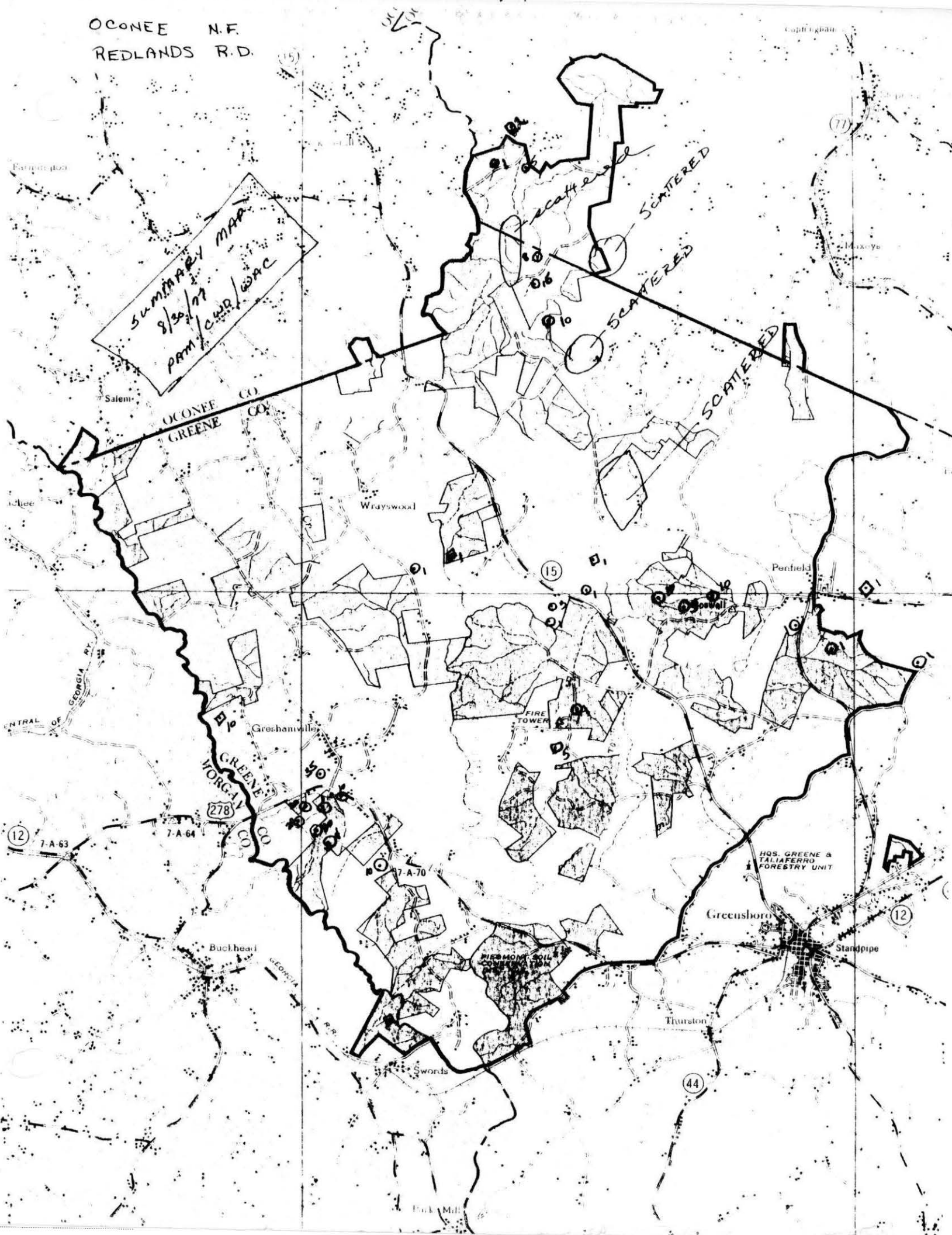
For any additional information, Contact

Forest Insect & Disease Management Unit, S&PF
USFS - Southeastern Area

Northgate Office Park, Room 2103
3620 Interstate 85, N.E.
Doraville, Ga. 30340
Telephone: 404-221-4796

or

P. O. Box 5895
Asheville, N. C. 28803
Telephone: 704-258-2850
Ext. 625


OCONEE N.F.
REDLANDS R.D.
SUMMARY MAP
8/30/77
PAM/CWR/GWC
SCATTERED
SCATTERED
SCATTERED
OCONEE CO
GREENE CO
MORGAN CO
Salem
Wrayswood
Penfield
Greshamville
Buckhead
Swords
Thurston
Greensboro
Standpipe
FIRE TOWER
HQS. GREENE & TALIAFERRO FORESTRY UNIT
7-A-63
7-A-64
7-A-70
278
15
12
44
77

Hard Surface, Heavy Traffic Road with More than Two Lanes

Hard Surface, Heavy Traffic Road with Two Lanes

Improved Light Duty Road

Unimproved Dirt Road, graded only

Trail

Permanent [illegible] Station

House, Cabin or Other Building

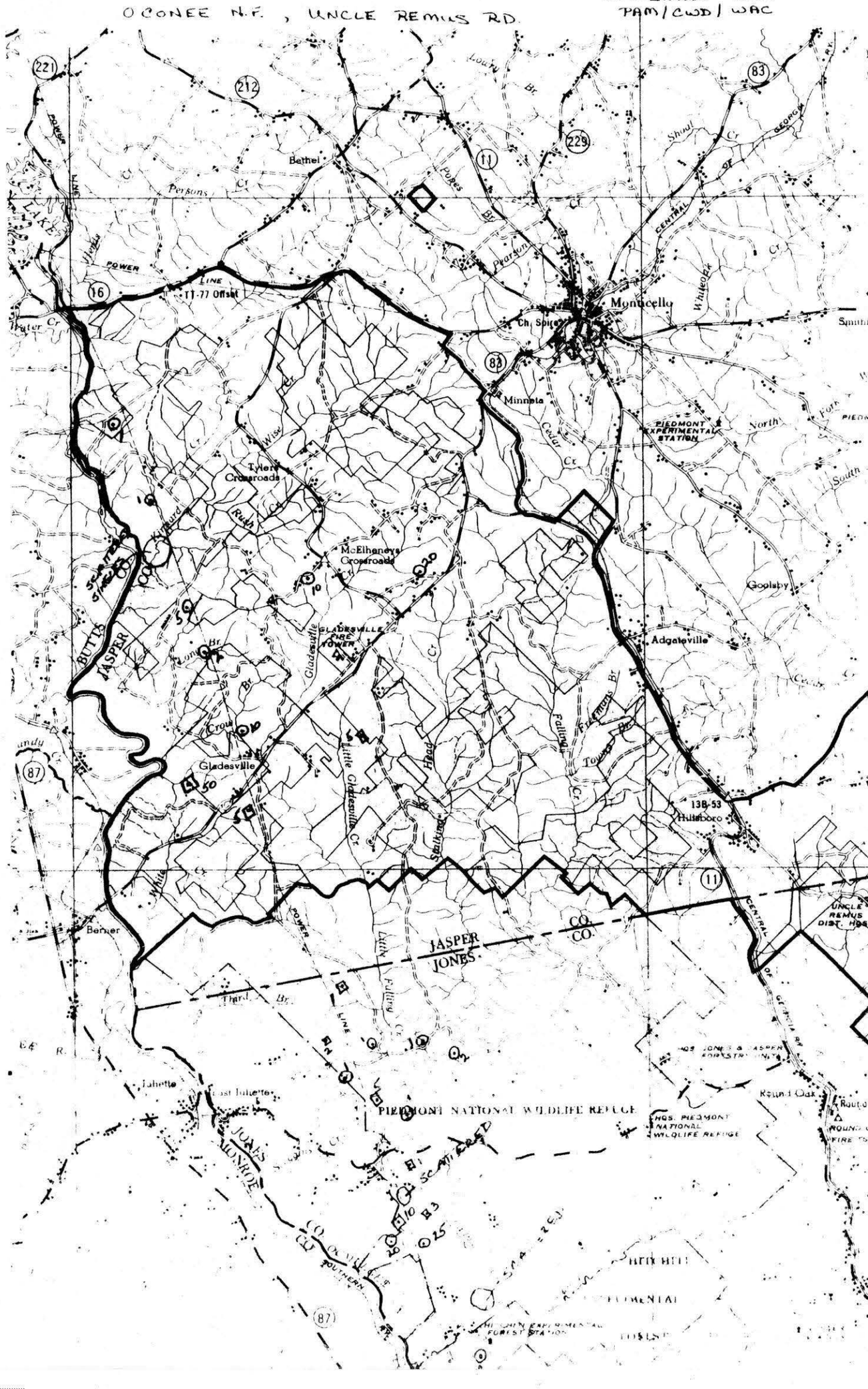
Government Owned Properties

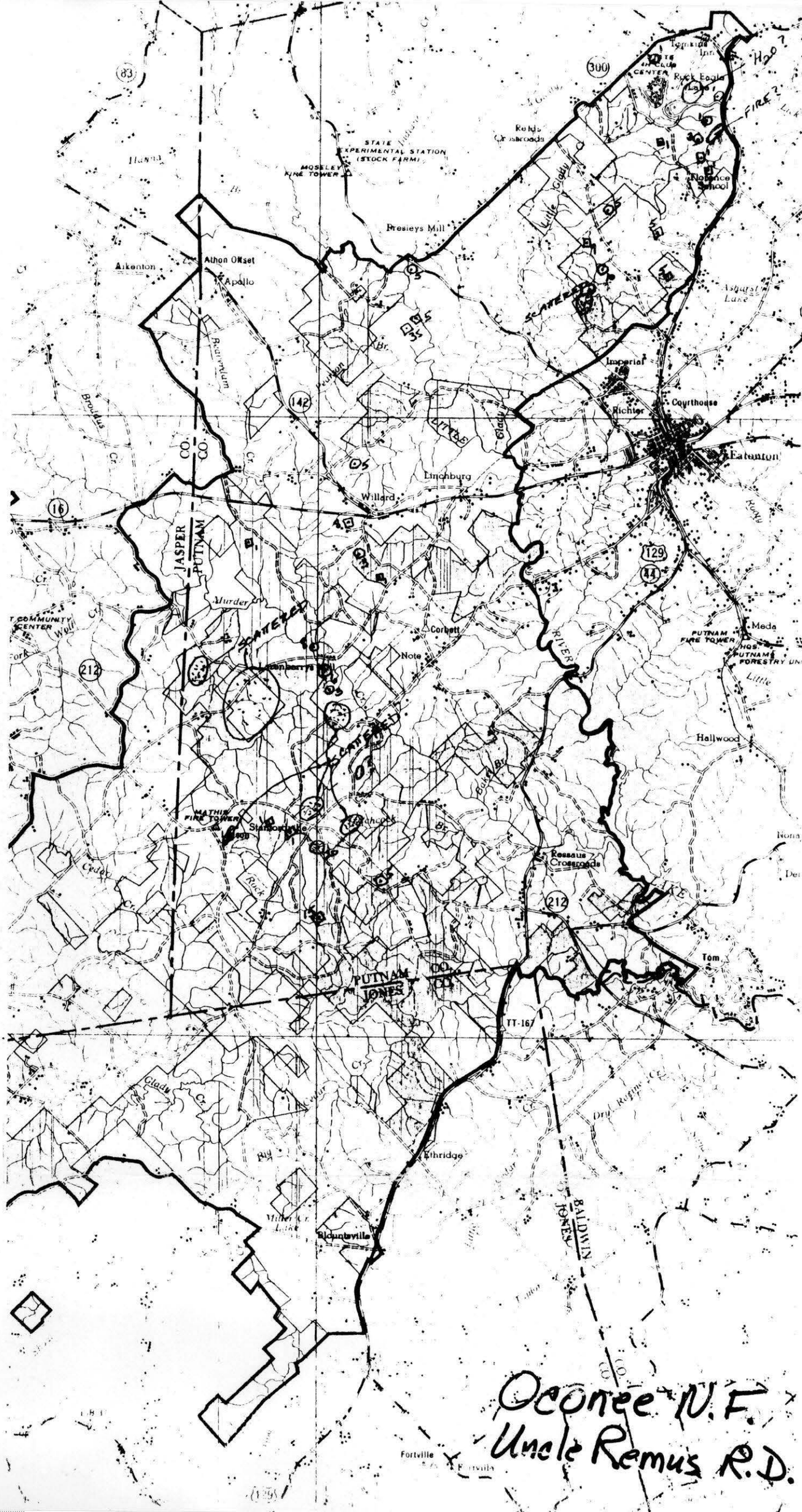
STATUS REVISED TO 1968

DISTRICT RANGER'S OFFICE AT MONTICELLO, GEORGIA
CLASS "C" MAP

8/30/77
COMBINED MAP
PAM/CWD/WAC

OCONEE N.F., UNCLE REMUS RD.




Oconee N.F.
Uncle Remus R.D.
Rock Eagle
Florence School
Presleys Mill
Athon Offset
Apollo
Aikenton
Imperial
Courthouse
Richter
Eatonton
Linchburg
Willard
Corbett
Note
Meda
Hallwood
Rossaus Crossroads
Tom
Ethridge
Bloomingville
Fortville
JASPER
PUTNAM
PUTNAM
JONES
BALDWIN
JONES
SCATTERED
RIVER
Murder Cr.
Broadus Cr.
Glady Cr.
Cedar Cr.
Rock Cr.
Dry Pigeon Cr.
Little
Baker Br.
Hunt
Br.
STATE EXPERIMENTAL STATION (STOCK FARM)
MOSELEY FIRE TOWER
MATHIS FIRE TOWER
PUTNAM FIRE TOWER
HQS. PUTNAM FORESTRY UNIT
COMMUNITY CENTER
FIRE 2
TT-167
83
300
142
16
212
129
11
441